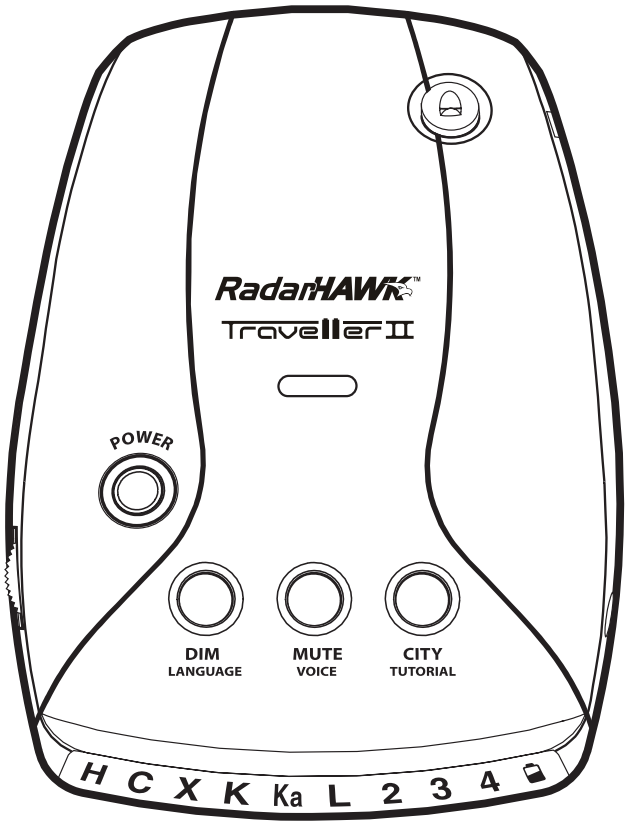
OPERATION MANUAL



RadarHAWK™ TRAVELLER II

TALKING CORDLESS RADAR/LASER DETECTOR

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CONGRATULATIONS!

You have acquired the RADARHAWK™ TRAVELLER II from Q3 Innovations, the first cordless radar/laser detector speaking in English and Spanish. The RADARHAWK™ TRAVELLER II incorporates the advanced new antenna technology and extremely low power-consuming circuitry to ensure top-class performance and satisfactory battery power management.

Features

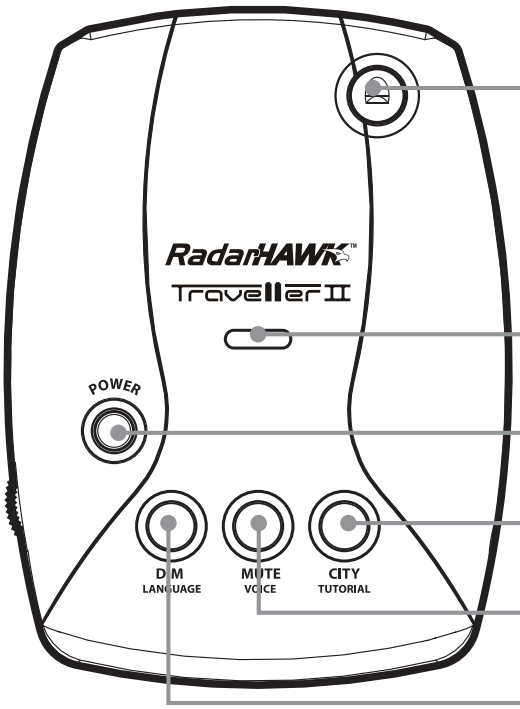
- **Protection** against all radar bands (X, K, and superwide Ka)
- **360° laser coverage** against all laser guns
- **Invisible** to VG-2 radar detector sensing device
- **Three separate city modes** (C, C2, and C3) in addition to highway mode to virtually eliminate false radar alerts
- **Additional city mode** (C4) to delete X-band reports and eliminate most false radar alerts
- **User selectable** brightness and mute on/off
- **User selectable** voice alert language and voice on/off
- **Separate power** on/off button and volume control wheel
- **LED-backlit** text display
- **Tutorial mode** to demonstrate operations
- **Memory** to retain previously set operational modes after power-off
- **Cordless power** connection (two AA batteries included)
- **Corded power** connection into 12-volt car lighter socket (power cord included)
- **Bilingual** voice alerts in English and Spanish

PACKAGE CONTENTS

Your RADARHAWK™ TRAVELLER II package includes the following components:

- The RADARHAWK™ TRAVELLER II talking cordless radar/laser detector
- Two AA batteries
- Coiled 12-volt DC power cord
- Windshield mounting bracket with suction cups (two each) and bumper
- Operation manual

IDENTIFYING PARTS OF THE UNIT



Top Laser Receiver

Mounting Guide

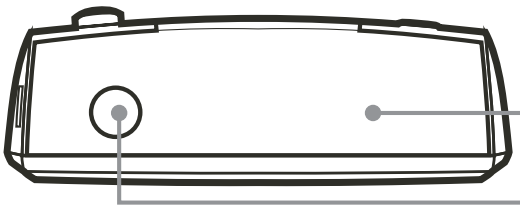
POWER Button

CITY/TUTORIAL Button

MUTE/VOICE Button

DIM/LANGUAGE Button

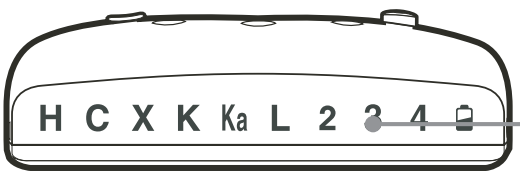
Top



Radar Receiver

Front Laser Receiver

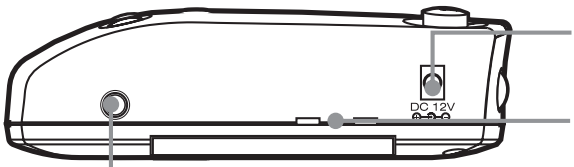
Back



LED Display

Front

IDENTIFYING PARTS OF THE UNIT

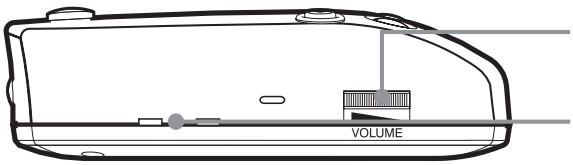


Power Cord Input Jack

Mounting Slots

Auxiliary Audio Jack

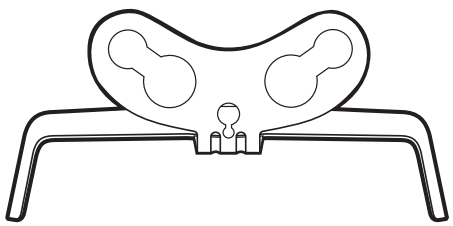
Right Side



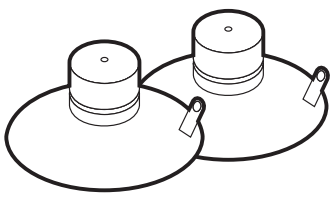
Volume Control Thumb Wheel

Mounting Slots

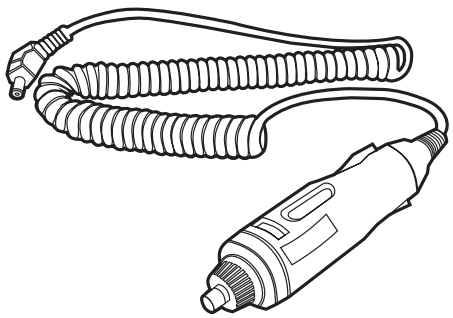
Left Side



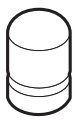
Mounting bracket



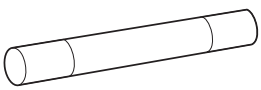
Suction cups



Power cord



Bumper



Fuse

PRE-OPERATING INFORMATION

You can use the RADARHAWK™ TRAVELLER II with your hands-free ear piece or amplified speakers by connecting your ear piece or speakers to the auxiliary audio jack of the unit. You must have an ear piece or speakers with a 2.5mm (1/10″) plug. If you have an ear piece or speakers with different sized plug, use a 2.5mm adapter between the plug and the jack. Please note that we do not provide ear pieces, speakers, or 2.5mm adapters.

The RADARHAWK™ TRAVELLER II is designed to operate on two AA alkaline batteries. To ensure maximum performance, we advise that you should not use other battery types. You may use AA alkaline rechargeable batteries. However, the resulting battery life will be extremelly short because of characteristics of rechargeable batteries.

Do not leave the RADARHAWK™ TRAVELLER II exposed to extreme heat like strong sunlight. It can damage the unit and battery.

Battery installation

1. Remove the battery compartment door at the bottom of the unit when the unit is powered off.
2. Remove any old batteries (both batteries must be replaced at the same time.).
3. Press down two fresh AA alkaline batteries into place, observing the polarity indication inside the battery compartment.
4. Replace the battery compartment door.
5. Turn the unit on to verify correct battery installation.

PRE-OPERATING INFORMATION

Battery life

The RADARHAWK™ TRAVELLER II can provide approximately 30~40 hours of battery life from two AA alkaline batteries. Battery life is affected by many variables like the conditions and brand of battery, the ambient temperature, the number and strength of engaged signals, the duration of reported alerts, the user interface mode you select, etc. The approximate battery life we quote is based on our aging tests in a shielded laboratory. Your specific conditions and the way you use the RADARHAWK™ TRAVELLER II will result in different battery life.

The RADARHAWK™ TRAVELLER II provides voice announcements when function buttons are used, so that you can know which function was actually activated. However, for the purpose of extended battery life, the RADARHAWK™ TRAVELLER II was designed to give voice announcements only for the secondary functions (language, voice, and tutorial) of each button which will be less frequently used than the primary functions (city, dim, and mute).

Low battery life indication

The RADARHAWK™ TRAVELLER II has a separate low battery indication LED. It intermittently blinks with warning alarms from the moment when there is about two to four hours of remaining battery life.

PRE-OPERATING INFORMATION

Always keep the power cord (included in the package) at the glove compartment of your vehicle and connect power to the RADARHAWK™ TRAVELLER II from your vehicle until you replace old batteries. This way you can drive with the RADARHAWK™ TRAVELLER II always on.

Auto power-off

In the event that you forget to turn off the RADARHAWK™ TRAVELLER II when you leave your vehicle, the RADARHAWK™ TRAVELLER II has an automatic power-off feature to conserve battery life. The RADARHAWK™ TRAVELLER II will automatically shut off when no signals are detected for approximately 45 minutes. An obtrusive audio and visual warning will confirm that the auto power-off is about to happen. You can cancel auto power-off by pressing any button while the audio and visual warning is being displayed.

Turn off the RADARHAWK™ TRAVELLER II whenever you leave your vehicle. Even a weak signal can cause the RADARHAWK™ TRAVELLER II to remain on and drain your batteries.

INSTALLING THE UNIT

Mounting guidelines

The RADARHAWK™ TRAVELLER II can be mounted on your windshield using the mounting bracket included in the package.

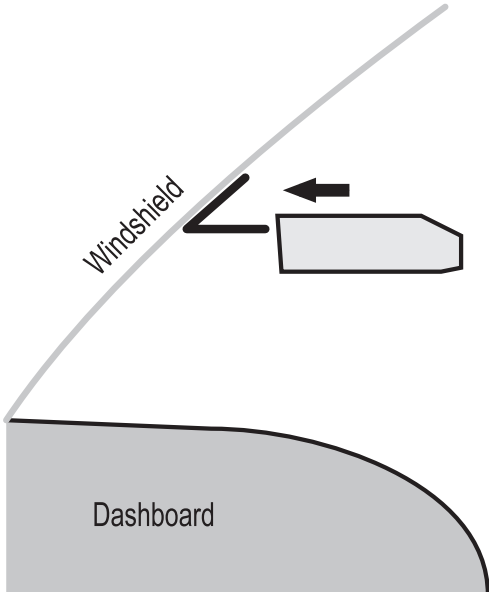
- Mount on the windshield in a centered location that will not obstruct the view of the driver and is within reach, so the buttons can be easily accessed.
- Do not mount behind windshield wipers, metal surfaces, ornaments, or mirrored sunscreen glass, as these affect radar/laser signals. Tinted glass does not affect radar/laser signal reception.

Conceal the RADARHAWK™ TRAVELLER II when you leave your vehicle to prevent theft and to minimize the unit's exposure to extreme temperatures, which can temporarily impair performance.

INSTALLING THE UNIT

Windshield mounting

1. Install the suction cups and bumper onto the windshield mounting bracket by sliding them into their holes (if not pre-installed).
2. Press the bracket base firmly against the windshield until the suction cups securely take hold.
3. Slide the unit up to the bracket until the bracket arms click into the slots on both sides of the unit.



4. Bend the angle of the windshield mounting bracket, if necessary, to adjust for best viewing and detection angle.
5. When you want to connect power from your vehicle, plug the small connector of the power cord into the 12-volt DC power input jack located on the side of the detector.
6. Plug the large adapter of the power cord into the lighter socket of your vehicle.

RADAR OPERATION

Power on

Press the **POWER** button. The RADARHAWK™ TRAVELLER II goes through a self diagnosis sequence and displays the last mode previously set in memory.

Functions and modes

Volume control

Use the volume thumb wheel, located on the side of the RADARHAWK™ TRAVELLER II, to adjust volume level.

Display brightness control (dim mode)

Press the **DIM** button repeatedly for less than two seconds each time to toggle between the three levels of brightness modes: ***bright, dim,*** and ***dark.***

⚠ ***Dim mode reduces the brightness of the display. When a signal is detected, alerts are displayed in full brightness, regardless of dim mode. Then the display returns to the previously selected dim setting.***

Mute on/off selection (mute mode)

Press the **MUTE** button repeatedly for less than two seconds each time to toggle between ***mute on*** and ***mute off.***

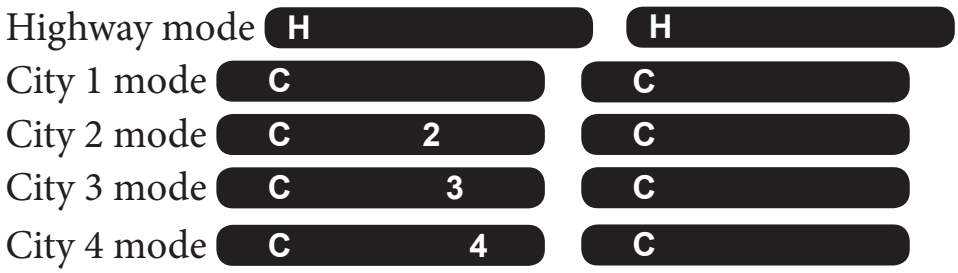
⚠ ***Only audio alerts are not reported in mute mode. Visual and voice alerts are still provided in mute mode.***

⚠ **Mute on** ***can't be selected while voice off or X Band voice off is activated.***

RADAR OPERATION

Highway/city mode selection

Press the **CITY** button repeatedly for less than two seconds each time to toggle through five signal sensitivity modes. They are highway, city 1, city 2, city 3, and city 4. Each mode is indicated by blinking "H" or "C" LED, with or without a numbered LED. For city 2, 3, and 4 modes, the RADARHAWK™ TRAVELLER II takes turns blinking "C" LED and a numbered LED all together 3 times and keeps blinking "C" LED alone. See following illustrations:



X-band, occupied by police radar, is also shared for other uses, such as automatic door openers like the ones used at supermarkets, burglar alarms, terrestrial microwave emission, and other devices. In addition, other radar detectors in close proximity may falsely alert your detector. To reduce false alerts, the RADARHAWK™ TRAVELLER II has four city filtering settings. Each move (from highway to city 1, city 1 to city 2, city 2 to city 3) will give you the rejection of X-band alarms by approximately 20%.

RADAR OPERATION

City 4 will have the RADARHAWK™ TRAVELLER II not report X-band radar signals at all. For best protection from all radar bands, always drive in highway mode. However, for maximizing your battery life with best protection from K- and Ka-band, drive in city 4 mode.

Language selection (English and Spanish modes)
Press the **LANGUAGE** button repeatedly for more than two seconds to toggle between ***English*** and ***Spanish mode.*** You can always choose either English or Spanish mode for your voice alert system.

Voice on/off selection (voice mode)
Press the **VOICE** button repeatedly for more than two seconds to toggle between ***voice on***, ***voice off, and X Band voice off.*** When you drive with voice off or X Band voice off, you will not be alerted by corresponding voice messages, but you can extend your battery life as much as the expected power saving for rejected voice reports.

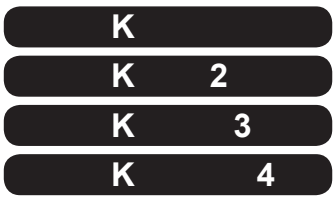
Tutorial mode
The RADARHAWK™ TRAVELLER II has a tutorial mode intended to familiarize you with the various visual displays and distinct audible alerts the unit performs. Perform the following steps to begin the tutorial mode:

1. Press and hold the **TUTORIAL** button for more than two seconds and the RADARHAWK™ TRAVELLER II enters the tutorial mode after it beeps and displays in the following order:

RADAR OPERATION

X-band detected operation:

K-band detected operation:



Ka-band detected operation:

Laser band detected operation:

All LEDs on:

The numbered LEDs are called signal strength meters when they are used to indicate how strong a signal being detected is. As a signal strength meter they are always displayed together with a radar band LED (X, K, or Ka). The higher the number, the stronger the radar signal. When the numbered LEDs blink together with "C" LED, they indicate the level of the city mode you've set.

2. Press any button to exit the all-LEDs-on status, that is the end of tutorial mode.

⚠ ***Your RADARHAWK™ TRAVELLER II uses the same audio alarms and visual displays as for the tutorial mode when it detects signals and reports alerts.***

Invisible to radar detector detectors

VG-2, the radar detector *detector*, is the interceptor used by law enforcement officers to identify vehicles equipped with radar detectors in instances and locations where they are not legal (such as in vehicles over 10,000 pounds or in Virginia and Washington D.C.). The VG-2 interceptors work by detecting emissions generated by radar detectors within a certain frequency range. The RADARHAWK™ TRAVELLER II operates on a frequency outside of this range. So it's ***invisible to*** as well as ***undetectable by*** the radar detector sensing device.

Band identification

The RADARHAWK™ TRAVELLER II notifies you of the type of signal it receives (X, K, Ka, and Laser) by using different audio, visual, and voice alerts for each band. When an instant-on monitoring signal is detected, the instant-on audio alert is activated first and the display shows X-, K-, or Ka-band alerts.

⚠ ***An "instant-on" alert signal is not another radar band, but is a means by which an officer triggers the radar gun on and off in usually less than two seconds.***

CARE AND MAINTENANCE

Here are some tips to help you care for your RADARHAWK™ TRAVELLER II:

- To deter theft, remove your RADARHAWK™ TRAVELLER II from your windshield when you leave your vehicle.
- Avoid extended exposure to direct sunlight. Remove your RADARHAWK™ TRAVELLER II from your windshield when your vehicle is parked for an extended period of time. On hot days the temperature inside your vehicle can reach levels that could damage your RADARHAWK™ TRAVELLER II.
- Do not expose the RADARHAWK™ TRAVELLER II to rain, moisture, spray cleaners, or liquids that could damage the internal circuitry of the detector.

Fuse replacement

The lighter socket adapter of the power cord has a replaceable 2-Amp SAG fuse located below the silver tip. To check or replace the fuse, ***slowly*** and ***carefully*** unscrew the tip of the plug, making sure the spring and silver tip located inside the plug do not fly out when you remove the cap. Check fuse and replace if necessary.

Your RADARHAWK™ TRAVELLER II is designed for reliable service. However, if you encounter a problem, refer to the ***Troubleshooting*** section that follows before making a service call.

TROUBLESHOOTING

The RADARHAWK™ TRAVELLER II does not power up when powered from batteries.

- Check and replace batteries.

The RADARHAWK™ TRAVELLER II does not power up when powered from the vehicle.

- Check all power cord connections.
- Check fuse in lighter socket adapter and replace if necessary.
- Check lighter socket. Clean if dirty.
- Check your vehicle's fuse panel. (Refer to your vehicle's manual.)

The RADARHAWK™ TRAVELLER II did not alert when passing an officer.

- Not all police cars have radar/laser detectors, or it may not be in use at that time.

The RADARHAWK™ TRAVELLER II shows erratic or frequent alerts.

- Use one of the city modes.

TROUBLESHOOTING

The RADARHAWK™ TRAVELLER II shows partial or no display.

- Disengage dim mode and set the unit to bright display.

The RADARHAWK™ TRAVELLER II does not give alerts early enough.

- Set the unit to highway mode.
- Make sure the unit is level to the road.
- Make sure the radar window and the top laser receiver are not obstructed. Move the RADARHAWK™ TRAVELLER II if necessary.

SPECIFICATIONS

Radar

Receiver type:	Dual conversion superheterodyne
Antenna type:	Linear polarized, self-contained
Detector type:	Scanning frequency discriminator
Frequency operation:	X-band; 10.525 GHz ±50 MHz K-band; 24.150 GHz ±100 MHz Ka-band (superwide); 34.700 GHz ±1,300 MHz Safety radar; 24.100 GHz

Laser

Receiver type:	Pulsed laser signal receiver
Detector type:	Digital signal processor pulse width discriminator
Optical sensor:	Dual convex condenser lens and high speed photo diode detector

General

Temperature range:	-4°F to 140°F (-20°C to 60°C)
Power requirements:	12V to 16V DC, 120 mA, negative ground or two AA alkaline batteries
Dimensions:	1.30″ H x 3.31″ W x 4.50″ L
Weight:	5.50 ounces with two AA alkaline batteries

Specifications are typical, individual units may vary. Specifications are subject to change without notice. Performance may vary with driving behaviors and driving environments.

SERVICE AND REPLACEMENT

If you have questions, missing parts or comments, please call Q3 Innovation's customer service department at (888) 399-1687 (toll-free within the U.S.) or e-mail to service@q3i.com.

If you wish replacement or repair of a defective product, please follow these procedures:

1) Obtain a Return Merchandise Authorization (RMA) number by calling us at (888) 399-1687 (toll-free within the U.S.) or at (319) 334-3412 between 9:00 a.m. and 5:00 p.m. (CST) Monday-Friday.

   We can also be reached by:

   - Fax: (319) 334-3421
   - E-mail: service@q3i.com
   - Please note that RMA numbers are valid for 30 days only.

2) Obtain a proof of purchase, such as a mechanical reproduction of your sales receipt (original receipts cannot be returned). Proof of purchase must show printed date of purchase, model number, and place of purchase. If you cannot provide a proof of purchase, or if the warranty period has ended, the product may be returned to you without being tested and/or there will be a charge for replacement of your product.

3) Pack the product securely to prevent damage in transit. Please send the entire product, including all accessories. Alterations to the product or its accessories will void your warranty. Include your proof of purchase and a description of the problem.

SERVICE AND REPLACEMENT

4) Write the issued RMA number on the outside of your package and address it to:

   Q3 Innovations, LLC
   Attn: Service Center, RMA# [insert the RMA# provided]
   2349 Jamestown Ave, Suite 4
   Independence, IA 50644

5) Type or print the name and address where the replacement should be delivered.

6) Ship prepaid and insured via traceable carrier such as United Parcel Service (UPS), FedEx Parcel Service, or Priority Mail to avoid loss in transit.

Once we receive your documents and product, we will repair or replace the product for you. Please allow two to three weeks from receipt of your returned product to delivery of your replacement.

RadarHAWK™ Traveller II
QJ3-IFS-11414

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

In addition, any changes or modifications to this product, which are not expressly approved by Q3 Innovations in writing, could void the user's authority to operate this product.

WARRANTY INFORMATION

WARRANTY INFORMATION

LIMITED WARRANTIES; LIMITATION OF LIABILITY

FOR RADARHAWK™ RADAR/LASER DETECTOR

Model: RadarHAWK™ Traveller II

Q3 Innovations ("Q3I") manufactures its products from parts and components that are new or equivalent to new in performance, and warrants to the original user that this product will be free of defects in workmanship and materials for one (1) year from the date of purchase.

This warranty does not cover wear and tear due to normal use, or damage to the product as the result of improper usage, neglect of care, alteration, accident, or unauthorized repair.

If the product is found by Q3I to be defective, Q3I's entire liability and your exclusive remedy for breach of warranty shall be that Q3I will repair or replace the product and return the product or its replacement to you at no charge, provided that you ship the product to Q3I at your expense with a description of the defect and subject to the other conditions of this warranty. Should the product prove to be irreparable, Q3I may substitute an equivalent product of the same or similar style and of a value not in excess of the original purchase price of your instrument.

Q3I warrants the repaired or replacement product to be free from defects in material and workmanship on the same terms as the product originally purchased.

This warranty will be void if the products, serial number, or other identification marks have been defaced, damaged, or removed. This warranty does not apply to the battery necessary to operate the product.

This warranty is extended to the original retail purchaser only and may not be transferred or assigned to subsequent owners. In order to validate your warranty, you must provide proof of purchase acceptable to Q3I together

with the product shipped for warranty repair/replacement.

Products returned to Q3I must be pre-authorized by Q3I with an RMA (return material authorization) number marked on the outside of the package. Please refer to the Service and Replacement section for Q3 Innovations contact information.

THE FOREGOING WARRANTY IS GIVEN IN LIEU OF AND Q3I DISCLAIMS ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESSED OR IMPLIED, IN FACT OR IN LAW, WITH RESPECT TO THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, (1) THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, OR (2) THAT USE OF THE PRODUCT WILL BE UNINTERRUPTED AND ERROR FREE.

Q3I shall have no liability for any indirect or speculative damages (including, but not limited to, consequential, incidental, and special damages) relating to the use of or inability to use this product, whether arising out of contract, negligence, tort, or under any warranty theory, or for infringement of any other party's intellectual property rights, irrespective of whether Q3I had advance notice of the possibility of any such damages, including, but not limited to, loss of use, revenue, or profit. In no event shall Q3I's total liability for all claims regarding the product exceed the price paid for the product. Q3I neither assumes nor authorizes anyone to assume for it any other liabilities. Q3I shall have no liability in the event the user receives a speeding ticket violation while using this product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

NOTES

NOTES